

Part Number: 15-24-6246

Mini-Fit® BMI Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 24 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, Tin (Sn) Plating, with Drain Holes



Series image - Reference only

Replacement: [15-24-6241](#) (no drain hole)

Series: [42440](#)

Category: PCB Headers

Overview: [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)

Old Part Number: A-42440-2431

Mates With Part(s):

[15-06-0240](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2240](#) Mini-Fit Jr.™ Receptacle, [15-24-7240](#) Mini-Fit® BMI Vertical Receptacle Header

Product Environmental Compliance

Questions on Product Environmental Compliance? Email productcompliance@molex.com

[EU RoHS](#): ELV and RoHS Compliant

[China RoHS](#): 

[REACH SVHC](#): Not Reviewed

[Low-Halogen Status](#): Low-Halogen

Part Detail

Category	PCB Headers
Series	42440
Application	Board-to-Board, Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit® Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information.
Overview	Mini-Fit® Blind Mate Interface (BMI) Connectors
Product Name	Mini-Fit® BMI
UPC	800753684232

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	5.288/g
Number of Rows	2
Orientation	Vertical

PC Tail Length	3.56mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.80mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

(Please review the Product Specification for specific details.)	
Current - Maximum per Contact	13.0A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240